

## CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

**Employer Id :** E30320

**Employer :** Avista Corporation

**Worksite :** Avista Corporation

**Street :** 1411 E Mission Ave

**Jurisdiction :** City of Spokane

**Survey Date :** 6/5/2017

**Survey Type :** Online

**Response Rate :** 73%

### Drive Alone & One-Way VMT Rates at this Worksite

**Drive Alone :** 84.8%

**One-Way VMT per employee :** 12.8

### Employees and Survey Response Information

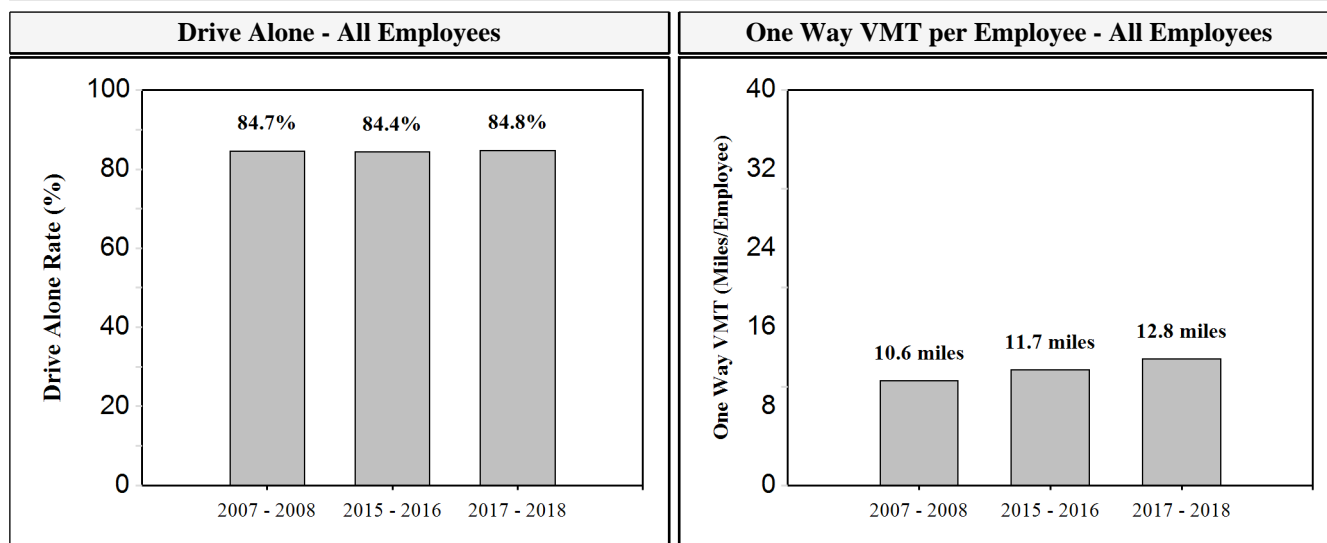
**Reported Total Employees at Worksite:** 1,074

**Surveys Distributed :** 1,074

**Surveys Returned :** 787

**Surveys Returned by CTR Affected Employees :** 750

**Total Estimated CTR - Affected Employees at Worksite :** 1,024



### Site History and Goal

Cycle	Drive Alone - All	Drive Alone - CTR Affected	VMT / Employee - All	VMT / Employee - CTR Affected
2007 - 2008	84.7%	84.7%	10.6	10.5
2009 - 2010	76.2%	76.4%	10.1	10.0
2011 - 2012	81.6%	82.6%	10.2	10.4
2013 - 2014	83.0%	83.5%	12.0	11.9
2015 - 2016	84.4%	84.8%	11.7	11.8
2017 - 2018	84.8%	85.1%	12.8	12.8
2019 - 2020	N/A	N/A	N/A	N/A
Goal	TBD	TBD	TBD	TBD
Percent Change	0.1%	0.5%	20.8%	21.9%

## Comparison Between Rates With and Without Fill-In

The survey response rate is indicated on Page 1. To encourage a response rate of at least 70%, additional drive alone trips are added to survey results for worksites with a response rate of less than 70%. For these worksites it is assumed that non-responding employees between the actual response rate and 70% drive alone 5 days a week. These additional trips represent the "Fill-In" applied. Note that fill-in is not applied to a worksite's first survey in the 2007 to 2012 cycle (their baseline survey).

	2007 - 2008	2015 - 2016	2017 - 2018
Drive Alone - All Employees*	84.7%	84.4%	84.8%
Drive Alone - CTR Affected Employees*	84.7%	84.8%	85.1%
VMT/Employee - All Employees	10.6	11.7	12.8
VMT/Employee - CTR Affected Employees	10.5	11.8	12.8

\* Drive alone rate includes one person motorcycles.

**Congratulations! You achieved a survey response rate of 70% or higher on this survey. Fill-in comparison for previous surveys, if applicable, are included in the chart above.**

## GHG Emissions: Total for Drive Alone, Carpools, Vanpools

### Annual Greenhouse Gas Emissions (Metric Tons CO<sub>2</sub>e) for Roundtrip Commute\*

Value	2007 - 2008	2015 - 2016	2017 - 2018
Emissions for Surveyed Employees	1,470	1,569	2,143
Estimated Emissions for Total Employment	1,626	2,158	2,924

\* Estimated based on VMT from commuters driving alone, carpooling, vanpooling, or motorcycling, without fill-in applied.

## Bus Transit Passenger Miles and Rail Transit Passenger Miles\*

Annual Transit Passenger Miles (includes Roundtrip Commute)	2007 - 2008	2015 - 2016	2017 - 2018
Bus Annual Passenger Miles - Estimated for Total Employment	21,120	23,109	38,074
Bus Annual Passenger Miles - Surveyed Employees	19,100	16,800	27,900
Ferry Annual Passenger Miles - Estimated for Total Employment	0	0	0
Ferry Annual Passenger Miles - Surveyed Employees	0	0	0
Train/Light Rail/Streetcar Annual Passenger Miles - Estimated for Total Employment	8,514	0	2,183
Train/Light Rail/Streetcar Annual Passenger Miles - Surveyed Employees	7,700	0	1,600

\* Transit passenger miles can be used to gauge changes in transit usage, and also to calculate greenhouse gas emissions from transit commute trips. However, emissions attributable to transit vary widely, depending on the efficiency/energy source of transit vehicles and transit vehicle passenger load (typically ranging from 0.1 to 0.9 pounds CO<sub>2</sub>e emissions/passenger mile). Employers are strongly encouraged to contact their local transit agencies for more precise information on GHG emissions for their transit trips. If nothing else is available, the value of 0.47 pounds (0.00021 metric tons) per passenger mile can be used to estimate CO<sub>2</sub>e emissions for bus transit, and 0.39 pounds (0.00018 metric tons) CO<sub>2</sub>e emissions per passenger mile for train/light rail/streetcar.

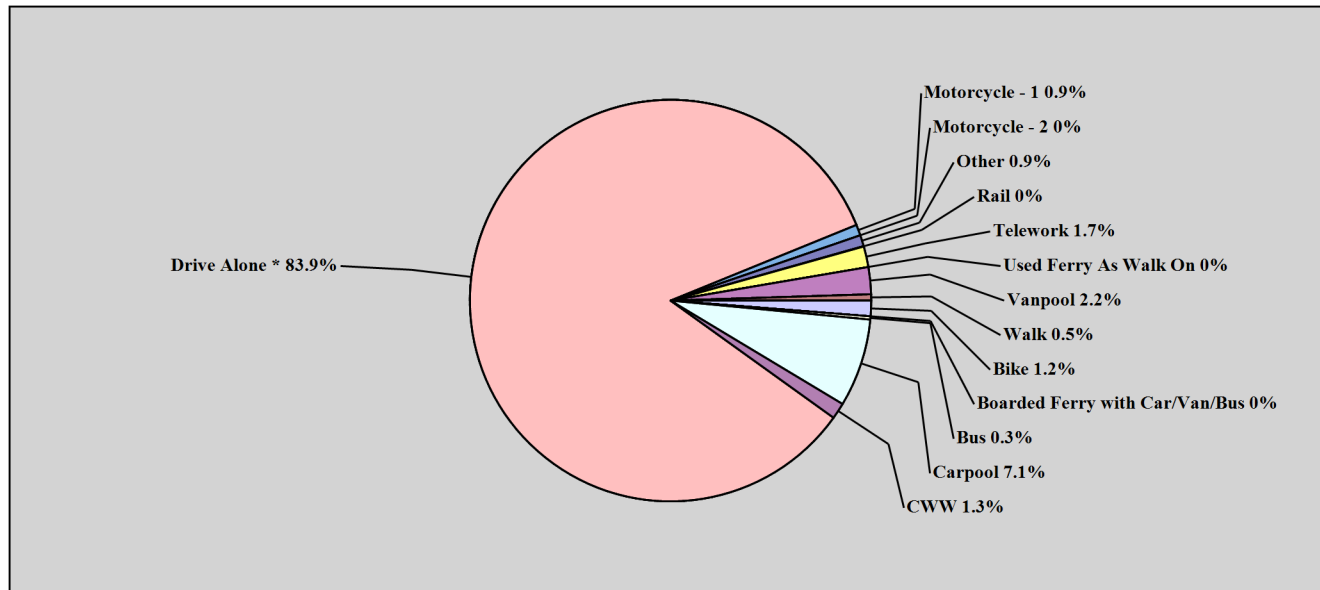
**Q3.**

<b>One way, how many miles do you commute from home to your usual work location?</b>
<b>Average one-way distance home to work: 14.7 miles</b>

## Commute Trips By Mode - All Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



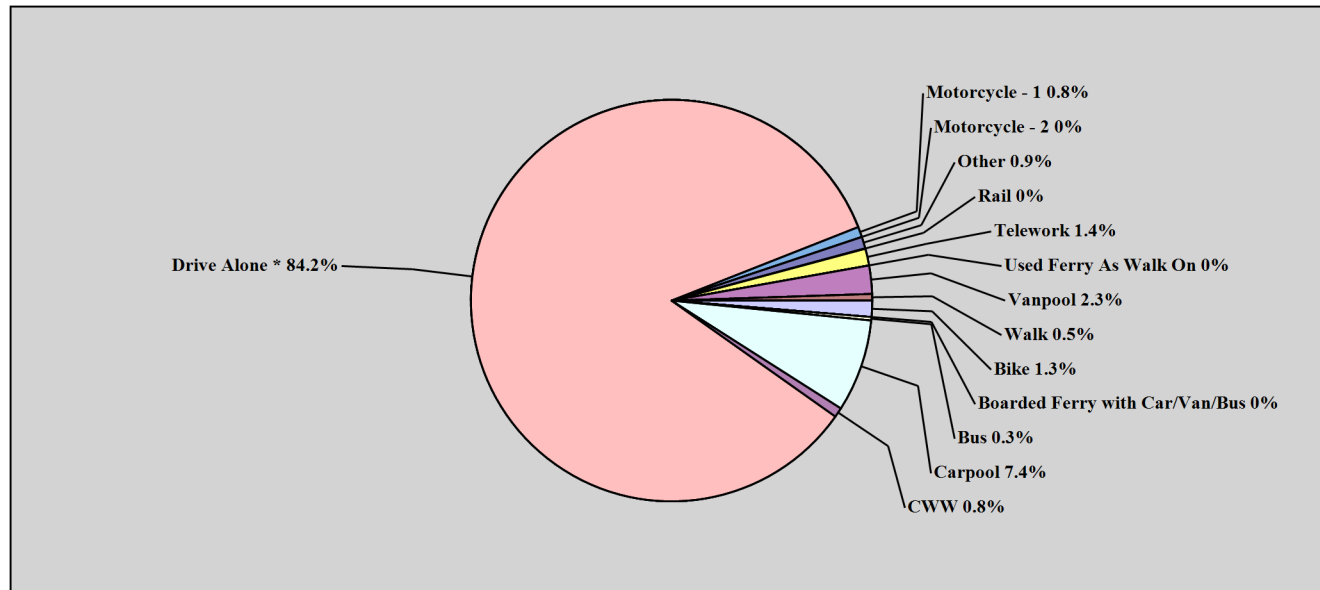
Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	3,167	83.9%	83.7%	711	90.3%	88.7%
Carpool	268	7.1%	6.9%	90	11.4%	10.7%
Vanpool	82	2.2%	1.8%	20	2.5%	2.1%
Motorcycle - 1	33	0.9%	0.7%	13	1.7%	1.5%
Motorcycle - 2	0	0.0%	0.1%	0	0.0%	0.1%
Bus	10	0.3%	0.5%	5	0.6%	0.7%
Rail	1	0.0%	0.0%	1	0.1%	0.0%
Bike	47	1.2%	1.0%	20	2.5%	1.6%
Walk	19	0.5%	0.7%	6	0.8%	0.6%
Telework	63	1.7%	1.0%	35	4.4%	3.3%
CWW	49	1.3%	2.1%	31	3.9%	5.1%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	34	0.9%	1.4%	13	1.7%	2.1%

\* Drive alone mode includes fill-in, where applicable.

## Commute Trips By Mode - Affected Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - Affected Employees



Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	3,034	84.2%	84.1%	677	90.3%	88.9%
Carpool	268	7.4%	7.2%	90	12.0%	11.1%
Vanpool	82	2.3%	1.8%	20	2.7%	2.2%
Motorcycle - 1	30	0.8%	0.8%	11	1.5%	1.6%
Motorcycle - 2	0	0.0%	0.1%	0	0.0%	0.2%
Bus	10	0.3%	0.5%	5	0.7%	0.8%
Rail	1	0.0%	0.0%	1	0.1%	0.0%
Bike	47	1.3%	1.1%	20	2.7%	1.7%
Walk	19	0.5%	0.7%	6	0.8%	0.6%
Telework	49	1.4%	1.0%	32	4.3%	3.3%
CWW	28	0.8%	1.2%	24	3.2%	3.7%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	34	0.9%	1.5%	13	1.7%	2.2%

\* Drive alone mode includes fill-in, where applicable.



**Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:**

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	582	74%	787	100%
1 Days	75	10%	205	26%
2 Days	35	4%	130	17%
3 Days	19	2%	95	12%
4 Days	19	2%	76	10%
5 Days	49	6%	57	7%
6 or More Days	8	1%	8	1%

**Work Schedules By Group - All Employees (This table shows the relationship between work schedule and commute mode)**

Employees who worked:	Drive Alone 5 days / week		Drive Alone 3 or 4 days / week		Used Bus At Least 3 days / week		Carpooled At Least 3 days / week		Used Rail At Least 3 days / week		Vanpooled At Least 3 times / week		Biked or Walked At Least 3 Days / week		Used 'Other' Modes At Least 3 Days / week		Used Non-Drive Alone At Least 3 Days / week	
5 days a week	464	67.5%	101	14.7%	2	0.3%	44	6.4%	0	0%	18	2.6%	10	1.5%	3	0.4%	86	12.5%
4 days a week (4/10s)	8	11.4%	52	74.3%	0	0%	3	4.3%	0	0%	0	0%	0	0%	1	1.4%	4	5.7%
3 days a week	0	0%	4	80%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
9 days in 2 weeks (9/80)	0	0%	1	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
7 days in 2 weeks	2	33.3%	2	33.3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Other	7	46.7%	4	26.7%	0	0%	0	0%	0	0%	0	0%	1	6.7%	0	0%	4	26.7%

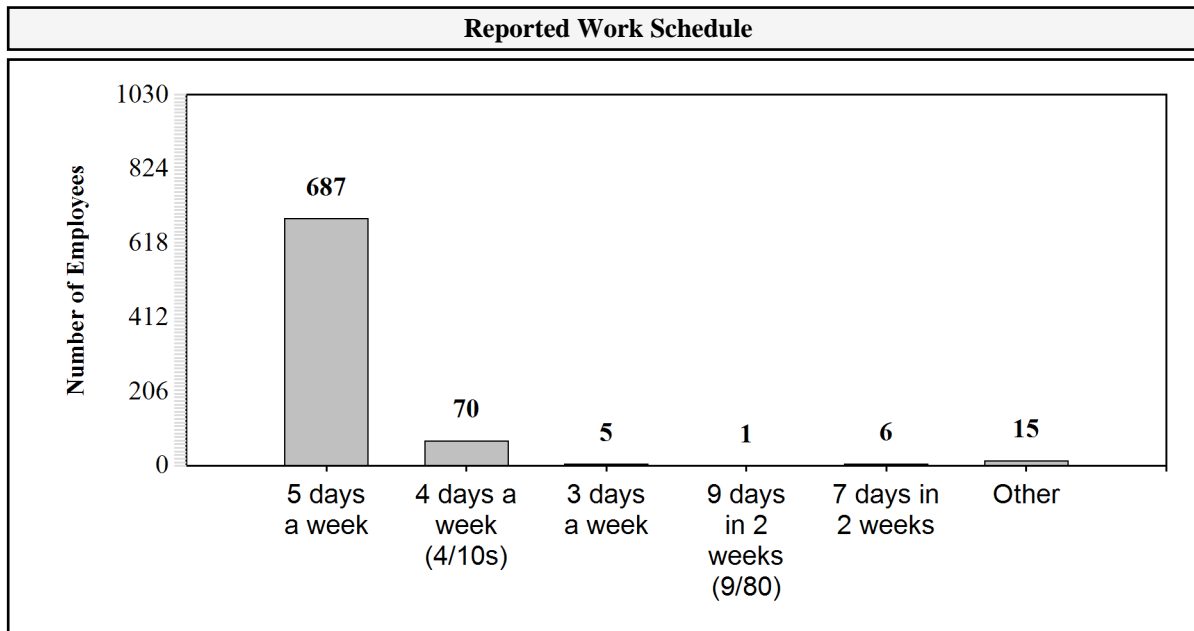
## Count by Occupancy of Carpools, Vanpools, and Motorcycles

**Q.4b** If you used a carpool or vanpool as part of your commute, or if you ride a motorcycle, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
1	Motorcycle	33
2	Motorcycle	0
2	Carpool	253
3	Carpool	13
4	Carpool	0
5	Carpool	0
>5	Carpool	2
<5	Vanpool	0
5	Vanpool	11
6	Vanpool	10
7	Vanpool	0
8	Vanpool	8
9	Vanpool	9
10	Vanpool	23
11	Vanpool	10
12	Vanpool	3
13	Vanpool	5
14	Vanpool	3
15	Vanpool	0

## Reported Work Schedule - All Employees

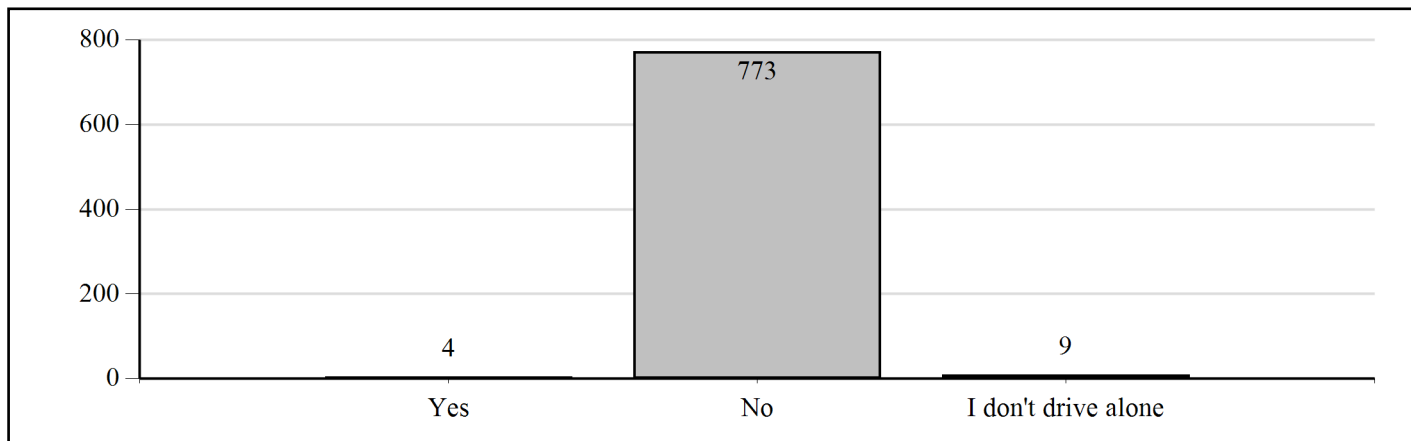
Q.5 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	687	87.6%
4 days a week (4/10s)	70	8.9%
3 days a week	5	0.6%
9 days in 2 weeks (9/80)	1	0.1%
7 days in 2 weeks	6	0.8%
Other	15	1.9%

## Parking and Telework

**Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)**



**Q.10: How many days do you typically telework?**

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	2	0.3%
I don't telework	544	69.1%
Occasionally, on an as-needed basis	194	24.7%
1-2 days/month	28	3.6%
1 day/week	10	1.3%
2 days/week	7	0.9%
3 days/week	2	0.3%

## Reasons for driving alone to work/not driving alone to work

**Q11. When you do not drive alone to work, what are the three most important reasons?**

Question Text	# of Responses	% of Responses
To save money	264	19.7%
Environmental and community benefits	157	11.7%
Other	156	11.6%
I have the option of teleworking	152	11.3%
Personal health or well-being	144	10.7%
Financial incentives for carpooling, bicycling or walking.	101	7.5%
Preferred/reserved carpool/vanpool parking is provided	87	6.5%
Driving myself is not an option	81	6.0%
Cost of parking or lack of parking	77	5.7%
Emergency ride home is provided	59	4.4%
Free or subsidized bus, train, vanpool pass or fare benefit	32	2.4%
I receive a financial incentive for giving up my parking space	25	1.9%
To save time using the HOV lane	6	0.4%

**Q12. When you drive alone to work, what are the three most important reasons?**

Question Text	# of Responses	% of Responses
I like the convenience of having my car	562	30.2%
Riding the bus or train is inconvenient or takes too long	401	21.5%
Family care or similar obligations	315	16.9%
Other	212	11.4%
My job requires me to use my car for work	146	7.8%
My commute distance is too short	105	5.6%
Bicycling or walking isn't safe	86	4.6%
I need more information on alternative modes	26	1.4%
There isn't any secure or covered bicycle parking	8	0.4%

**Employee Transit Use - All Employees**

**Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.**

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	1	0	1	0	0	0	0	0	0	6
2	1	0	1	0	0	0	0	0	0	2
3	0	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	1	0	0	3
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	2
11 or more	0	0	0	0	0	0	0	0	0	0
# Of Employees using Transit	2	0	2	0	0	0	1	0	0	15
Total One-Way Transit Trips Per Week	3	0	3	0	0	0	5	0	0	55

**Employee Transit Use - Affected Employees**

**Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.**

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	1	0	1	0	0	0	0	0	0	6
2	0	0	1	0	0	0	0	0	0	2
3	0	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	1	0	0	3
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	2
11 or more	0	0	0	0	0	0	0	0	0	0
# Of Employees using Transit	1	0	2	0	0	0	1	0	0	15
Total One-Way Transit Trips Per Week	1	0	3	0	0	0	5	0	0	55

## Commute Mode By ZipCode for All Employees

Q8. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
00000	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
80923	1	0.13%	3	0	0	2	0	0	0	0	0	0	0	0	0
83801	2	0.25%	10	0	0	0	0	0	0	0	0	0	0	0	0
83810	1	0.13%	4	0	0	0	0	0	0	0	0	0	0	0	0
83814	10	1.27%	38	0	6	0	0	0	0	0	0	0	0	0	0
83815	13	1.65%	46	1	6	0	0	0	0	0	0	0	0	0	2
83835	9	1.14%	22	2	18	0	0	0	0	0	2	1	0	0	0
83854	42	5.34%	149	7	31	0	0	0	2	0	1	11	0	0	2
83858	8	1.02%	34	0	4	0	0	0	0	0	0	0	0	0	0
83861	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
83869	2	0.25%	6	0	0	0	0	0	0	0	0	0	0	0	0
99001	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
99003	4	0.51%	14	0	0	0	0	0	0	0	0	0	0	0	0
99004	20	2.54%	83	2	0	0	0	0	0	0	8	2	0	0	0
99005	22	2.80%	103	2	0	0	0	0	0	0	2	1	0	0	7
99006	13	1.65%	29	27	0	0	0	0	0	0	0	0	0	0	7
99008	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
99009	6	0.76%	24	3	0	0	0	0	0	0	1	0	0	0	0
99012	1	0.13%	3	0	0	0	0	0	0	0	2	0	0	0	0
99016	35	4.45%	140	16	4	0	1	0	0	0	0	4	0	0	0
99018	2	0.25%	0	9	0	0	0	0	0	0	1	0	0	0	0
99019	29	3.68%	115	14	6	0	0	0	3	0	1	0	0	0	3
99021	17	2.16%	73	0	0	1	0	0	0	0	1	0	0	0	0
99022	14	1.78%	63	1	0	0	2	1	1	0	1	0	0	0	0
99023	3	0.38%	15	0	0	0	0	0	0	0	0	0	0	0	0



99025	15	1.91%	63	3	7	0	0	0	0	0	1	0	0	0	0
99026	14	1.78%	48	14	0	0	0	0	0	0	5	1	0	0	0
99027	5	0.64%	24	0	0	0	0	0	0	0	0	0	0	0	0
99029	1	0.13%	4	0	0	0	0	0	0	0	0	0	0	0	1
99031	2	0.25%	10	0	0	0	0	0	0	0	0	0	0	0	0
99034	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
99036	4	0.51%	15	0	0	0	0	0	0	0	2	0	0	0	0
99037	23	2.92%	96	11	0	0	0	0	2	0	2	1	0	0	0
99101	1	0.13%	4	0	0	0	0	0	0	0	0	0	0	0	0
99109	2	0.25%	8	0	0	0	0	0	0	0	0	0	0	0	0
99110	1	0.13%	4	0	0	0	0	0	0	0	0	0	0	0	0
99141	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
99148	2	0.25%	0	10	0	0	0	0	0	0	0	0	0	0	0
99156	2	0.25%	0	10	0	0	0	0	0	0	0	0	0	0	0
99158	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
99163	1	0.13%	3	0	0	0	0	0	0	0	0	0	0	0	2
99181	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
99201	9	1.14%	40	5	0	0	0	0	0	0	0	0	0	0	0
99202	11	1.40%	34	10	0	9	0	0	0	0	0	1	0	0	0
99203	40	5.08%	154	21	0	6	3	0	3	0	3	2	0	0	5
99204	8	1.02%	27	4	0	1	1	0	0	2	5	0	0	0	0
99205	44	5.59%	191	15	0	1	0	0	1	2	0	4	0	0	1
99206	45	5.72%	204	0	0	8	0	0	2	0	3	1	0	0	1
99207	13	1.65%	34	0	0	0	0	0	5	15	0	6	0	0	0
99208	95	12.07%	388	34	0	0	0	0	12	0	6	5	0	0	1
99212	25	3.18%	112	0	0	0	0	0	1	0	0	2	0	0	0
99213	1	0.13%	4	0	0	0	0	0	0	0	0	1	0	0	0
99216	27	3.43%	117	12	0	0	0	0	0	0	1	2	0	0	0
99217	15	1.91%	62	3	0	0	0	0	3	0	0	1	0	0	2
99218	23	2.92%	101	5	0	0	0	0	0	0	5	0	0	0	0
99220	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
99223	61	7.75%	248	20	0	5	3	0	11	0	4	3	0	0	0
99224	30	3.81%	139	7	0	0	0	0	1	0	1	0	0	0	0
99228	1	0.13%	7	0	0	0	0	0	0	0	0	0	0	0	0
99303	1	0.13%	2	0	0	0	0	0	0	0	0	0	0	0	0
99353	1	0.13%	0	0	0	0	0	0	0	0	5	0	0	0	0